

**"APPROVED FOR RELEASE: 04/03/2001**

**CIA-RDP86-00513R001756220012-5**

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**CIA-RDP86-00513R001756220012-5"**

TOMCIAGA, Radu, ing.; LAZARESCU, Ilie (Bucharest)

Contributions to the calculus and dimensioning of helical springs in the connecting electric machinery. Electrotehnica 12:168-175 D 1961.

1. Head of Electrical Engineering Laboratory, "Electroaparataj" Enterprise, Bucharest (for Tomciaga). 2. Chief Engineer at the Electrical Engineering Laboratory, "Electroaparataj" Enterprise, Bucharest (for Lazarescu).

L 41665-66

ACC NR: AP6031217

SOURCE CODE: RU/0004/65/000/001/0013/0022

AUTHOR: Tomoiaga, Radu (Engineer; Bucharest); Cosmin, Gheorghe (Engineer; Bucharest);  
Feldman, Eliza (Bucharest)

ORG: [Tomoiaga] Polytechnical Institute, Bucharest (Institutul politehnic);  
[Cosmin; Feldman] Electroaparataj Enterprise, Bucharest (Intreprinderea Electroaparataj)

TITLE: Heating calculation of alternating-current electromagnet coils

SOURCE: Electrotehnica, no. 1, 1965, 13-22

TOPIC TAGS: electromagnetic coil, alternating current

ABSTRACT: A study of thermic flux circulation through alternating-current electro-  
magnet coils under stabilized operating conditions, taking into account all the  
sources contributing to heating (iron, screen turn and coil resistance losses).  
A novel method for calculating the maximum temperatures in coils is described and  
compared with the main "classical" methods, and a method for the calculation of  
short-circuit windings within the magnetic iron core is also suggested. This  
latter method is based on experimental work carried out at the Electroaparataj  
Enterprise. Orig. art. has: 10 figures and 5 tables. [Based on authors' Eng.  
abst.] [JPRS]

SUB CODE: 09 / SUBM DATE: 09Apr64 / ORIG REF: 004

Card 1/1 hs

UDC: 621.318.321.025.1.001.24

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CASANDROIU, T., elev (Ploiesti); DUMITRESCU, Florea I. (Graiova);  
MURTEANU, I., prof. (Vaslui); METTLER, Martin, prof. (Viseul de  
sus); TOMOIAGA, D.M.; IONESCU-TIU, C.; STANESCU, I., (Sibiu);  
SULA, Octavian (Valea Rea, Iasi); POPA, Eugen, elev (Iasi)

Problems and exercises proposed for grades 5-8. Gaz mat B 14:  
563-565 9 S '63.

TONOKHIN, N.

Experiments in the gelatin industry. Tr. from the Russian. p. 31. LEKA  
PRCMISHLENOST. Sofiya. Vol. 5, no. 2, 1956.

SOURCE: East European Accessions List. (EEAL) Library of Congress.  
Vol. 5, No. 8, August 1956.

TOMOLA, Gyorgy, dr.

Data on the treatment of flatfoot based on screening examinations. Nepegeszsegugy 45 no.5:150-152 My'64

1. Debreceni Orvostudományi Egyetem Orthopaed Klinika.

TOMOLIN, I.A.; SHVARTSMAN, L.A.

Distribution of sulfur and phosphorus between iron and oxidized slag. Izv.AN SSSR Otd.tekh.nauk no.12:1797-1803 D '53.

(MLRA 7:2)

1. Predstavleno chlenom-korrespondentom Akademii nauk SSSR  
A.M.Samarinym. (Iron--Analysis) (Slag)

TOMONEC, D.

"Organization of commercial service of American railroads." (p. 63).

ZELEZNICE. (Jugoslovenske zeleznice) Beograd. Vol. 10, no. 2. Feb. 1954

SO: East European Accessions List. Vol. 3, no. 8, August 1954.

Tomonis, S. P.

42E/6  
927  
.F8

Litovskaya Literatura /Lithuanian  
literature, by/ P. A. Freydgeymas i  
Peysakhas Ayzikovich Freydgeymas. Moskva, 1955,  
66 p.

At head of title: Moscow. Publich-  
naya Biblioteka /and/ Vilna. Publich-  
naya Biblioteka.

TOMONYAK, Lajos; MAUTNER, Valer

Forum of socialist brigades. Munka 13 no.6:13 Je '63.

1. Chinoin gyar Kemia III uzeme brigadvezetoje (for Tomonyak).
2. 5 sz. Autojavito Vallalat Beke szocialista brigadjanak vezetoje (for Mautner).

TOMOR, Benedek

Fixation problem of convex figures. Mat lapok 14 no.1/2:120-123  
'63.

TOMOR, Janos, dr.

Colite formation in producing oil wells. Hidrologiai kozlony  
38 no.3:182-187 Je'58.

TOMOR, Janos, dr., geologus, a fold - es asvanytani tudomanyok kandidatusa,  
Kosuth-dijas fogeologus

Recent investigations concerning the origin and age of  
mineral oils in Hungary. Bany lap 96 no.10:768-774 0'63

1. Banyaszati Tervezo Intezet, Budapest.

COMMON ELEMENTS																										PROCESSES AND PROPERTIES INDEX																										1ST AND 2ND SORTS																										3RD AND 4TH SORTS																									
COMMON ELEMENTS																										PROCESSES AND PROPERTIES INDEX																										1ST AND 2ND SORTS																										3RD AND 4TH SORTS																									
<p>PAPIER ES NYOMDATECHNIKA PAPER AND PRINTING VOL 3 1951 No. 2, Feb.</p>																																																																																																							
<p>T. Tömöri: Acidifying and hardening offset plates</p>																																																																																																							
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																																																																																																							

F TOMOR, JANDOS

J

1148. EXAMINATION OF ORGANIC RESIDUES IN HUNGARIAN PETROLEUMS.  
 Tomor, J. (Földtani Közlemény, 1950, vol. 80, 335-360; abstr. in Chem. Abstr., 1951, vol. 45, 8749). A special procedure was elaborated for microfiltering crude petroleum. A layer of NaCl 10-14 mm thick is placed on the porcelain filter disc of a glass filter and washed with a filtered petroleum distillate; then 0.50-0.75 l. crude petroleum is filtered with sugar. By this method, significant amounts of animal and plant remnants were found in petroleum samples of the three oil fields of Southern Pannonia. These include Lycopodium, Pteridophyta spores, pollens, diatoms, algae, Arthropoda, etc.  $\text{SiO}_2$  needles and pyrite particles 5-30  $\mu$ m diameter were also found. Petroleum originating from the deeper Lovaszi field can be distinguished from the petroleum of the higher Budafapuszta field on the basis of such examinations. C.A.

TOPA, Tibor; PATKOS, Andras; R.PELYI, Erno; KAPOSI, Gyula; TOMOR, Jozsef; BENE, Andras; CSOBALY, Sandoz

Remark about the article entitled "Freight trains with one trainman on service." Vasut 12 no.12:18-19 D '62.

1. Mozdonyvezeto, Dunaujvarosi Futohaz "MHS" brigadja (for Topa, Patkos and R.Pelyi). 2. Futo, Dunaujvarosi Futohaz "MHS" Brigadja (for Kaposi, Tomor and Bene). 3. Forgalmi osztaly vezetohelyettese (for Csobaly).

TOMOR, Janos, dr., geologus, a föld- és asvanytani tudományok kandidátusa,  
~~Kossuth-díjas~~

Fields of application of aerophotogeography in modern raw  
material prospecting. ~~Bány~~-lap 96 no.5:329-335 My '63.

1. Országos Kőolaj- és Gázipari Troszt, Budapest.

TOMORI, Marton, okleveles gepeszmernok

The "Malimo" machine. Magyar textil 14 no.8:361-366 Ag '62.

TOMORI, Pal, (Budapest); GALGAI, Otto, (Budapest); KALMAR, Janos (Budapest)

Forum fo the innovators. Ujit lap 15 no.18; 30 25 S '63.

*IVANKO, Z.*  
CZECHOSLOVAKIA/Pharmacology, Toxicology, Ganglioblocking Drugs

U-4

Abs Jour : Ref Zhur - Biol., No 4, 1958, No 17624

Author : Korpash, Tomori, Ivancho

Inst : Not Given

Title : The Pentamethonium Influence on Cough, caused by the Mechanical Stimulation of the Various Sections of the Pulmonary Tract.

Orig Pub : Cheskosl. Fysiol., 1957, 6, No 1, 83-86

Abstract : No abstract.

Card : 1/1

CZECHOSLOVAKIA

Z. TOMORI [Affiliation not given] and J. ZACHAR [Bratislava]

"The International Physiological Sciences Congress in Leyden."

Prague, Ceskoslovenska Fysiologie, Vol 12, No 2, 1963; pp 153-156.

Abstract: Brief review of some of the papers presented on respiration, hypoxia and hyperoxia; muscle function and neuromuscular synapse; muscle membrane excitation and contraction relationships, contractile apparatus. Four papers were presented by Czech nationals.

TOMORI, Z.;KORPAS, J.

Cough in cats in various modes of general anesthesia and in wakeful states. Cesk. fysiolo. 8 no.5:439-440 S '59

1. Ustav pre vseobecnu a experimentalnu patologiu Lekarskej fakulty UK, Kosice.

(COUGH physiolo.)

(ANESTHESIA GENERAL eff.)

TOMORI, Z.

Pleural, tracheal and abdominal pressure variations in defensive and pathologic reflexes of the respiratory tract. Physiol. Bohemoslov. 14 no.1:84-95 '65.

1. Department of General and Experimental Pathology, Faculty of Medicine, Safarik University, Kosice.

CZECHOSLOVAKIA

TOMORI, Z.; Institute of Experimental Pathology, Medical Faculty,  
P.J. Safarik University (Ustav Experimentalnej Patologie Lek.  
Fac. UPJS), Kosice.

"Changes in the Lumen Glottis During Defensive and Pathological  
Reflexes of Respiratory Tracts."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, p 70.

Abstract: Photoelectric recordings and cinematographic films  
were used in experiments with 15 anesthetized cats. Reflexes  
caused by excitation of the nasopharynx are compared to  
reflexes during coughing and sneezing. 1 Figure, 1 Western,  
1 Czech reference. Submitted at the "16 Days of Physiology"  
at Kosice, 27 Sep 65.

1/1

Pathology

CZECHOSLOVAKIA

KORPAS, J., KOHUT, A., TOMORI, Z.; Institute of Experimental Pathology, Medical Faculty, P.J. Safarik University (Ustav Exper. Patologie Lek. Fak. UPJS), Kosice.

"Acetylcholine Test in Cats Suffering from Acute Diseases of the Respiratory Tract."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, p 78

Abstract: Experiments on 9 cats suffering from experimental laryngo-tracheobronchitis and 15 from spontaneous bronchopneumonia showed positive results of the acetylcholine test. The test gave negative results in animals before the experimental disease was induced. 1 Figure, no references. Submitted at "16 Days of Physiology" at Kosice, 29 Sep 65.

CZECHOSLOVAKIA

TOMORI, Z.; MALOVESKY, L.; Institute of Experimental Pathology,  
Medical Faculty, P.J. Safarik University (Ustav Experimentalnej  
Patologie LF UPJS), Kosice.

"Recording of a Differential Pressure by Means of a Differential  
Cell and Electromanometers of Various Construction."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, pp  
423 - 424

Abstract: The authors describe an installation which they design-  
ed for simultaneous recording of values of absolute and differen-  
tial pressures. A schematic diagram of the arrangement and details  
of construction of individual components are given. The values  
are recorded electrically. It is possible to record the sum of  
pressures as well as their difference. 2 Figures, 2 Western, 1  
Czech reference. Submitted at the Meeting of the Slovak Branch  
of the Czechoslovak Physiological Society at Kosice, 19 Feb 66.

1/1

TOMORY, Emilia; SARKOZY, K.; ZABORSZKY, B.

Alteration of Auscultation findings in patent ductus arteriosus.  
Acta paediat. acad. sci. Hung. 4 no.3:309-320 '63

1. Heim Pal Children's Hospital (director: dr. J.Sarkany) and  
National Institute of Cardiology (director: prof. G.Gottsegen)  
Budapest.

\*

SZUTRELY, Gyula, dr.; TOMORY, Emilia, dr.; TEMESVARI, Antal, dr.

Indications for and results after mitral commissurotomy in children. Orv.hetil. 101 no.50:1777-1780 11 D'60.

1. Országos Kardiológiai Intézet, Gyermekosztály, Sebészeti osztály és Heim Pál Kórház Poliklinika, Kardiológiai rendelés.  
(MITRAL STENOSIS surg)

KORPAS, J.; TOMORI, Z.

Our experiences with Chiran's capacity electromanometer. Cesk.  
fysiol. 8 no.6:557 N '59

1. Ustav pre vseobecnu a experimentalnu patologiu Lek. fak. Uk.  
Kosice.

(MANOMETRY equip. & supply)  
(CRATAEGUS pharmacol)  
(PROTOZOA pharmacol)

Country : CZECHOSLOVAKIA

T

Category: Human and Animal Physiology. Respiration

Abs Jour: RZhBiol., No 19, 1958, 88887

Author : Tomori, E.; Kerpas, J.; Ivanco, I.

Inst : ~~unclassified~~

Title : The Role of the Afferent Innervation of Different Areas of the Respiratory Pathways in Cough.

Orig Pub: Ceskosl. fysiол. 1957, 6, No 2, 150-153

Abstract: It was clarified in experiments on cats by sections of various nerves that cough (C), produced by stimulation of the laryngo-pharyngeal area depends on the upper laryngeal, glosso-pharyngeal and partly, possibly, by the trigeminal nerves. Removal of the upper cervical sympathetic ganglion does not reflect upon the character of C. Bilateral section of the

Card : 1/2

T-51

... Country : CZECHOSLOVAKIA

Category: Human and Animal Physiology. Respiration

T

Abs Jour: RZhBiol., No. 19, 1958, 88887

vagi nerves below the origin of the superior laryngeal nerve suppresses C, originating in the area of the bronchi and the bifurcation of the trachea; simultaneously, C of laryngo-pharyngeal origin is intensified. -- V. Gavlichek

Card : 2/2

TOMORI, Z. ; KOPAS, J. ; DOLIAK, M.

"Effect of Haemophilus pertussis and its endotoxin on coughing and respiration during an acute experiment." p. 264.

CESKOSLOVENSKA FYSIOLOGIE. Praha, Czechoslovakia, Vol. 7, no. 3, May 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August, 1959.  
Uncl.

TOMORI, Z.

KORPAS, J.; TOMORI, Z.

Effect of hypothermia on cough and respiration, Cesk. fysiол. 6 no.4:  
479-482 Nov 57.

1. Ustav nre vseobecnu a experimentalnu patologiiu Lekarskej fakulty  
Univerzity Komenskeho v Kosiciach.

(COUGH, physiology  
eff. of hypothermia (Cz))

(RESPIRATION, physiology,  
same)

(HYPOTHERMIA, effects,  
on cough & resp. (Cz))

CZECHOSLOVAKIA/Human and Animal Physiology - Body Temperature  
Regulation.

T-2

Abs Jour : Ref Zhur - Biol., No 18, 1958, 83974

Author : Korpas, J., Tomori, Z.

Inst : -

Title : Effects of Hypothermia upon Cough and Respiration.

Orig Pub : Ceskosl. fysiол., 1957, 6, No 4, 479-482

Abstract : No abstract.

Card 1/1

TOMORI, Z.; KOPAS, J.

Laryngopharyngeal and tracheobronchial cough in guinea pigs in various modes of general anesthesia in wakeful states. Cesk. fysiол. 8 no.4:323-324 July 59.

1. Ustav pre vseobecnu a experimentalnu patologiu Lekarskej fakulty UK, Kosice.

(ANESTHESIA, GENERAL, eff.) (COUGH, exper.)

TONORI, Z.; KOPPAS, J.; IVANCO, I.

Significance of afferent innervation in cough in various sections of the respiratory tract. Genl. fysirol. 6 no.2:150-153 1957.

1. Ustav pro vnebochnu a experimentální patologii lékařské fakulty  
Univerzity Karlovy v Praze.

(COUGH, physiology,

eff. of afferent innervation on reflex originating  
in various segments of resp. tract (Cz))

(RESPIRATORY TRACT, innervation,

afferent innervation in cough reflex originating in  
various sections (Cz))

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Tomori, Z.

Contribution to interoceptive phenomena of the respiratory organs. P. 67  
CESKOSLOVENSKA FYSIOLOGIE. (Ceskoslovenska akademie ved. Fy-  
siologicky ustav) Praha  
Vol. 5, no. 1, 1956

Source: EEAL - LC Vol. 5. No. 19 Oct. 1956

TOMORI, Z.

Effect of pentamethonium on coughs produced in various parts of the respiratory organs.

P. 83 (Ceskoslovenska Fysiologie. Vol. 6, no. 1, 1957 Praha, Czechoslovakia)

Monthly Index of East European Accessions (EFAI) LC. Vol. 7, no. 2, February 1958

TOMORI, Z.

Importance of the afferent innervation in the cough originating in different parts of the respiratory organs. p.150.  
(Ceskoslovenska Fysiologie, Vol. 6, No. 2, 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

TOMORI, Z.

KORPAS, J.; TOMORI, Z.; IVANCO, I.

Effect of pentamethonium on cough produced in various regions of the respiratory tract. Cesk. fysiол. 6 no.1:83-86 '57.

1. Ustav pre vseobecnu a experimentalnu patologiiu Lekarskej fakulty Univerzity Komenskeho v Kosiciach.

(COUGH, experimenta,

eff. of pentamethonium on cough prod. in various regions of resp. tract (Cz))

(METHONIUM COMPOUNDS, effects,

pentamethonium, on exper. cough prod. in various regions of resp. tract (Cz))

TOMORI, Z.

TOMORI, Z.; KOPAS, J.; IVANCO, I.

~~Significance of afferent innervation in coughing from various sections of the respiratory tract. Physiol. bohém. 6 no.2:175-178 1957.~~

1. Institut für allgemeine und experimentelle Pathologie der medizinischen Fakultät an der Komensky-Universität in Kosice.

(COUGH, physiol.

~~role of afferent innerv. in coughing from various resp. tract sections (Ger))~~

(RESPIRATORY TRACT, innerv.

afferent, role in coughing from various resp. tract sections (Ger))

IVANCO, I.; KOPAS, J.; TOMORI, Z.

Studies on interoception of the respiratory tract. *Physiol. bohem.* 5 no.1:84-90 1956.

1. Institut für allgemeine und experim. Pathologie an der  
medizinischen Fakultät der Komensky-Universität in Kosice.  
(RESPIRATORY TRACT, physiology,  
interoception (Ger))

16

76

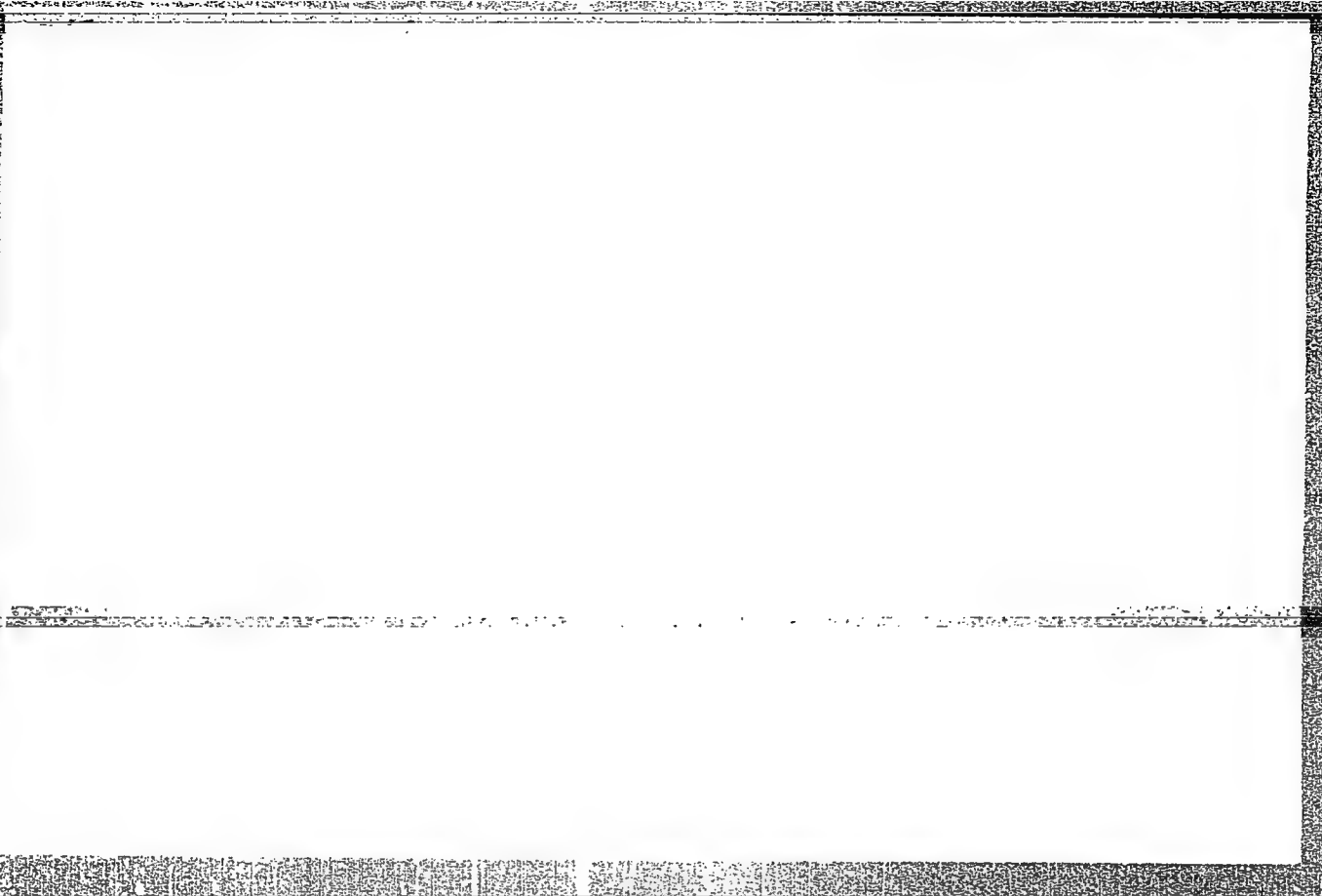
HUNGARIAN TEXTILES  
VOL. IV 1981  
No. 4, April

L. Tömcsényi:  
The degree of unevenness of thread 102-103

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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31: Studies on the heterodisperse and molecular weight  
distribution of dextrans used as human plasma substitutes  
H. J. Cantow, Jr., J. Pharm. Sci., 65, 1111 (1976)  
1976, 65, 1111-1118  
(8 tabs)

Heterodispersity, molecular weight distribution and the rate of 1,6 and 1,4 bonds in dextran preparations used as human plasma substitutes, produced by acid hydrolysis and characterized by an intrinsic viscosity ranging from 0.16 to 0.21 were investigated. Based on the experimental data the following results were obtained:

- (1) A new laboratory technique was evolved for the fractionation of dextran solutions.
- (2) The molecular weight distribution of hydrolyzed and fractionated dextrans was characterized not only by the intrinsic viscosity but by plotting the  $\log \eta_{sp}/c$  values between concentration limits of 1 to 10%.
- (3) The  $\log \eta_{sp}/c$  values were found more suitable for the characterization of the molecular weight distribution of the solutions than the intrinsic viscosity.
- (4) The molecular weights of the dextrans and dextran fractions investigated were determined by ultracentrifuge and by diffusion. Based on these measurements it turned out that dextrans prepared by acid hydrolysis and characterized by the intrinsic viscosity ranging from 0.16 to 0.21, unfortunately, constitute a system of high heterodispersity. These preparations had to be subjected to one or several fractionations in order to eliminate the fractions containing compounds of very high or very low molecular weight to obtain a product suitable as

(ve: 4)

④

TOMORKENY, ENORE.

HUNGARY/Organic Chemistry - Naturally Occuring Substances  
and Their Synthetic Analogs.

G-3

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 25320

Author : Bodanszky Miklos, Szelke Mihaly, Tomorkeny Endre, Weisz  
Erzsebet

Inst : -

Title : Synthesis of Peptides by Aminolysis of Active Esters. IV.

Orig Pub : Magyar tud. akad. Kem. tud. oszt. kozl., 1956, 8, No 1,  
53-57

Abstract : Description of the synthesis of peptides by means of p-ni-  
tro-phenyl esters of phthalyl amino acids. Synthesized  
were phthalyl-glycyl-glycinamide (I), phthalyl-glycyl-L-  
asparagine (II), phthalyl-D-leucyl-glycinamide (III),  
ethyl ester of phthalyl-glycyl-glycine (IV), hydrochloride  
of benzyl ester of S-benzyl-L-cysteyl-L-prolyl-L-leucyl-  
glycine (V). a) To a solution of 0.005 mole nitrophenyl  
ester of phthalyl-glycine (VI) in 10 ml dimethyl-formamide,

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HUNGARY/Organic Chemistry - Naturally Occuring Substances  
and Their Synthetic Analogs.

G-3

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 25320

a) 0.004 mole p-nitrophenyl ester of phthalyl-D-leucine dissolved in 10 ml dimethyl-formamide, added 0.004 mole VIII.HCl and 0.004 mole VII, heated on water bath (30 minutes); addition of 70 ml water caused separation of III, yield 1.1 g, MP 183°. 0.01 mole of phthalyl-D-leucine shaken for 30 minutes in 50 ml anhydrous ether with 2.45 g P<sub>2</sub>Cl<sub>5</sub>, evaporated in vacuum, residue dissolved in 25 ml dioxane and added, while cooling with ice, to a solution of 0.015 mole VIII.HCl and 0.05 mole NaHCO<sub>3</sub> in 50 ml water. III separates, yield 2.23 g, MP 179°. 0.05 mole VI dissolved in 10 ml ethyl acetate, added 0.80 g hydrochloride of ethyl ester of glycine and 0.8 ml VII. After 24 hours filtered off and washed the separated crystals with 5 ml ethyl acetate and a large excess of water. Yield of IV 1.39 g, MP 192-193°. 0.0076 mole of ethyl ester of carbobenzoxy-L-prolyl-L-leucyl-glycine dissolved in 60 ml absolute

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HUNGARY/Organic Chemistry - Naturally Occuring Substances  
and Their Synthetic Analogs.

0-3

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 25320

yellow sirup. 3.20 g IX dissolved in 40 ml  $\text{CH}_3\text{OH}$ , added 2.8 ml 2 N NaOH, after 1 hour (about 20°) filtered through 0.5 g activated charcoal, acidified, and added 150 ml water. An oil separated which solidified at 0°. It was dissolved in 60 ml 1%  $\text{NaHCO}_3$ , filtered through 0.3 g of activated charcoal, and after acidification with HCl (acid) separation took place again of an oil which was washed with water to get 3 g of S-benzyl-N-carbobenzoxy-L-cysteyl-L-prolyl-L-leucyl-glycine (X), which softened at about 20°. 2.9 g X were reduced in 350 ml liquid ammonia by addition of 0.6 g metallic Na, until the solution acquired a lasting blue coloration. Thereafter there were added to the solution 0.8 ml, and 15 minutes later still another 0.2 ml of benzyl chloride, and after 30 minutes 1 g of  $\text{NH}_4\text{Cl}$ .  $\text{NH}_3$  was removed by evaporation, the residue dissolved in 25 ml water, extracted twice with ether, and

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Tomorokény, Endre

MD ✓ The heterodispersity and molecular structure of dextran applied as a substitute for plasma. Béla Kaszás, László Hegedűs, Ferenc Guba, Mts. Mihály Bárány, and Endre Tomorokény (Research Inst. Pharm. Ind., Budapest). *Magyar Kém. Folyóirat* 61, 66-73 (1955). -On the basis of investigation of mol. wt., heterodispersity, and proportion of 1,6 to 1,4 glycosidic bonds of an acid-hydrolyzed plasma substitute, a lab. method was evolved for the fractionation of dextrans. The  $\eta_{sp}/c$  values detd. in 6, 8, 10% solns. proved more suited for characterizing mol. wts. of degraded and fractionated dextrans than the values of intrinsic viscosity. Mol. wts. of dextran samples and of their fractions were detd. by diffusion and ultracentrifuging. Acid degraded unfractionated dextrans of intrinsic viscosities 0.16-0.21 were extremely heterodisperse. One or more fractionations are necessary to remove fractions of very low and very high mol. wts. to obtain a product suited as a plasma substitute. The glycosidic bonds of samples of degraded and fractionated dextran examd. were in about 85% of the cases of type 1,6. Appreciable deviations were observed with undegraded dextrans (contg. 1,6 bonds in 73%) and with overhydrolyzed dextrans (contg. 91% 1,6 bonds). L.F. (4)

TOMORKENY, L.

Proposals for improvement of quality of Hungarian hemp fiber. p. 467.  
Decisions at the conference on domestic fibrous plants arranged by the Section of  
Technical and Agricultural Sciences of the Hungarian Academy of Sciences on Novem-  
ber 27, 1954. p. 470  
Activity of the Section of Technical Sciences; January-June 1955. p. 473.  
Report on the debate of the High Committee on the History of Technical Sciences of the  
Section of Technical Sciences; also, remarks by G. Pattantyus and others. p. 493.  
Vol 17, no. 3/4, 1955. KOZLETENYEI. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956

TONORKANY, L.

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No. 10, Oct. 1955.  
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TECHNOLOGY  
Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

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Prospects for Hungarian hemp fiber production and the hemp  
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P. 105 MAGYAR TEXTILECHNIKA Budapest No. 3, Mar. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress  
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Peaceful coexistence of fibrous materials. p. 375.  
(Magyar Textiltechnika, No. 10, October 1956. Budapest, Hungary)

SO: Monthly List of East European Accessions (REAL) LC, Vol. 6, no. 9, Sept. 1957. Uncl.

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Problems of spinning hemp with consideration of Hungarian sources of raw material; also, remarks by M. Foldi and others. p. 138. (HAGYAR TEXTILTECHNIKA, Budapest, Hungary), No. 11/12, Dec. 1954

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955.

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"A Machine for Testing the Tensile Strength of Hemp Fibers" p. 235  
(Magyar Textiltechnika, No. 8, August, 1953, Budapest)

SO: Monthly List of East European Vol. 3, No. 3 1954  
Library of Congress, March 1953, Uncl.

TOMORKENY, L.

"Relative humidity as the central problem of the hemp industry" p. 147; "Remarks on on Laszlo Tomorkeny's article 'Relative Humidity as the Central Problem of the Hemp Industry'" p. 149, (MAGYAR TEXTILTECHNIKA, No. 5, May 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2, No. 11, Nov. 1953, Uncl.

TOMORUG, E.; TANASESKU, K. [Tanasescu, C.] (Bukharest)

Mental disorders in thyroidectomized patients. Zhur. nevr. i psikh.  
60 no.3:327-333 '60. (MIRA 14:5)  
(THYROID GLAND—SURGERY) (MENTAL ILLNESS)

RUMANIA / Pharmacology, Toxicology. Tranquilizers. V

Abs Jour: Ref Zhur-Biol., No 18, 1958, 85075.

Author : Tomorug, Ep., Tanasescu, Gh.

Inst : Academy of the Rumanian People's Republic.

Title : Treatment with Largactil of Patients with Endocrine and Psychic Disorders.

Orig Pub: Studii si cercetari endocrinol. Acad. RPR, 1957, Vol 8, No 4, 449-457.

Abstract: The administration of largactil, primarily in combination with endocrine preparations, to 166 patients with psychoses and neuroses in the presence of hyperfunction of the thyroid gland, hypofunction of the parathyroid glands, or climacteric disturbances, produced an improvement in the psychic state and in the endocrine functions in the majority of these patients.

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On mental disorders in patients from regions of endemic thyropathic  
dystrophy. Stud. cercet. endocr. 13 no.2:305-307 '62.  
(MYXEDEMA complications) (MENTAL DISORDERS etiology)

TOMORUG, Ya. TENESESCU, G. [Tenesescu, G.]

Lergacty and serpasil therapy of psychic and endocrine disorders.  
[with summary in French]. Zhur.nevr. i psikh. 58 no.10:1176-1182  
'58 (MIRA 11:11)

1. Endokrinno-psikhiatricheskoye i sudehnopsikhiatricheskoye  
otdeleniya bol'nitsy No.9 imeni G.Marinesku, Bukharest.

(CHLORPROMAZINE, ther. use  
endocrine & ment. dis. (Rus))

(RESERPINE, ther. use  
same (Rus))

(MENTAL DISORDERS, THER.  
chlorpromazine & reserpine (Rus))

(ENDOCRINE DISEASES, ther.  
same (Rus))

TOMORUG, Yen. (Bukharest)

Some stage in the development of Rumanian psychiatry. Zhur.nevr.  
i psikh. 57 no.11:1423-1426 '57. (MIRA 11:1)  
(PSYCHIATRY,  
in Rumania (Rus))

VEGHELYI, Peter, dr.,; SZUTRELY, Gyula, dr.,; TOMORY, Emilia, dr.,;  
GATHY, Erzsébet, dr.,; KOCSIS, Magda, dr.,; SINON, György, dr.,;  
SZOKE, László, dr.,; TOTH, Magdolna, dr.

Hypothermia and hibernation; XI. Indications, based on own  
experiences. Orv. hetil. 97 no.20:533-543 13 May 56

1. A Budapesti Orvost. Egyetem I. sz. Gyermek. (igaz.: Gegesi Kiss  
Pal dr. egyetemi tanár) közl.

(HIBERNATION, artif.

indic. & contraindic. in various dis. (Hun))

(BODY TEMPERATURE

hypothermia, controlled, indic. & contraindic. in  
various dis. (Hun))

SZUTRELY, G.; TOMORY, E.

Energy and dynamic cardiac insufficiency in infantile toxicosis and atrophy. *Gyermekegyógyászat* 4 no.6:171-176 June 1953. (CML 25:1)

1. Doctors.

TOMOHY, E.; SZUTRELY, G.

Value of blood sedimentation in rheumatic heart disease. *Gyermekgyógyászat* 3 no. 3:74-77 Mar 1952. (CML 22:4)

1. Doctors. 2. First Pediatric Clinic (Director -- Academician Prof. Dr. Pal Gagesi Kiss), Budapest Medical University.

SZUTRELY, Gyula, dr.; TOMORY, Emilia, dr.

Data on the origin of presystolic (auricular) murmur. Orv.  
hetil. 97 no.38:1045-1046 16 Sept 56.

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermekklinikájának  
(igazgató: Gegesi-Kiss, Pal, dr. egyet. tanár akadémikus)  
közleménye.

(CARDIAC MURMURS AND SOUNDS, etiol. & pathogen.  
presystolic murmurs, auricular origin (Hun))

SZUTRELY, Gyula, dr.; TOMORY, Emilia, dr.

Registration of cardiac murmurs in the interscapular space in  
mitral insufficiency. Orv.hetil. 101 no.43:1520-1522 23 0 '60.

1. Országos Kardiológiai Intézet, Gyermekosztály és Heim Pál  
Kórház Poliklinikája, Kardiológiai Rendelés.  
(MITRAL VALVE dis)  
(HEART SOUNDS)

LOZSADI, Karoly, dr.; CSAKANY, Gyorgy, dr.; TOMORY, Emilia, dr.

Multiple arteriovenous pulmonary fistulae. Orv.hetil, 105 no.7:  
315-318 16 F '64.

1. Orszagos Kardiologiai Intezet, Sebészeti es Rontgen Osztaly.

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TOMORY, Emilia; ZABORSZKY, B.

Prednisone treatment of endocardial fibroelastoses: two years' experience. Acta Paediat Acad Sci Hung 1 no.3:198-198 '60.

1. Children's Department, State Institute of Cardiology, Budapest, and Cardiac Clinic, P. Heim Children's Hospital, Budapest.

(ENDOCARDIAL FIBROELASTOSIS ther)  
(PREDNISONE ther)

LONYAI, T.; CSAKANY, Gy.; TOMORY, Emilia

Multiple peripheral stenosis of the pulmonary artery. Acta  
paediat. acad. sci. Hung. 6 no.3/4:389-393 '65.

1. National Institute of Cardiology, and P. Heim Children's  
Hospital, Budapest. Submitted July 3, 1965.

TOMORY, Istvan, dr.

A care complication in paravertebral abscess. Magy. sebeszet 14  
no.2:98-101 Ap '61.

1. Allami Fodor Jozsef The Gyogyintezet, Budapest (Igazgato-foorvos:  
dr. Sebok Lorand), I. sz. Sebeszeti osztalyanak (Foorvos: dr. Risko  
Tibor) kozlemenye.

(OSTEOMYELITIS compl) (SPINE dis)  
(ABSCESS compl)

TOMORY, Istvan, dr.

Constant suction with the aid of vacuum bottles in sterile operations.  
Magy. sebesz. 15 no.3:184-186 '62.

1. Az Allami Fodor Jozsef Tbc Gyogyintezet, Budapest (Igazgato-foorvos:  
Sebok Lorand dr. kandidatus) I sz. Sebeszeti Osztaly (Foorvos: Risko  
Tibor dr. kandidatus) kozlemenye.

(SURGERY OPERATIVE equip & supply)

RISKO, Tibor, dr.; NYUL-TOTH, Pal, dr.; TOMORY, Istvan, dr.; ECKHARDT,  
Sandor, dr.

Current aspects of bone tumor diagnosis. Orv. hetil. 105 no.14:  
643-644 5 Ap'64

1. Allami Fodor Jozsef TBC Gyogyintezet, Orszagos Onkologiai  
Intezet, Budapest.

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NYUL-TOTH, Pal, dr.; TOMORY, Istvan, dr.

Oncologic significance of paravertebral soft tissue masses.  
Orv. hetil. 106 no.3:117-118 Ja 17 '64.

L. Allani Fodor Jozsef Tbc. Gyógyintézet, Budapest.

HUNGARY

NYUL-TOTH, Pal, Dr; TOMORY, Istvan, Dr; RISKÓ, Tibor, Dr, Candidate of Medical Sciences, director; and BORSAY, Janos, Dr; State Jozsef Fodor TB Therapeutical Institute, Budapest

"May the Paravertebral Shadow Be Considered a Characteristic Feature of Inflammatory Vertebral Alterations?"

Budapest, Magyar Radiologia, Vol 18, No 3, Jun 66, pp 150-158

Abstract [authors' Russian, English and German summaries, modified]: On the basis of the examination of 1697 patients with vertebral alterations, the authors find that spindle-like dilatation of the paravertebral shadow can be observed in numerous vertebral diseases and, therefore, its presence in itself is not of pathognostic value. A similar shadow is observed in inflammatory, degenerative, traumatic, neurogenous, tumorous and tumorous-metastatic vertebral diseases. In the case of inflammatory alteration, usually a broader shadow is observed on both sides. If the alteration is limited to a single vertebra, primarily fracture or tumor should be considered. Four Soviet-bloc and 17 Western references.

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GLAUBER, A.; RISKÓ, T.; NYUL-TÓTH, P.; TOMORY, I., VINCZE, E.;  
ECKHARDT, S.

On the diagnosis of bone tumors. Orv. hetil. 105 no.28:1338-  
1340 12 JI'64

TARSOLY, E.; TOMORY, I.

On the healing of bone cavities filled with foreign material  
in animal experiments. Acta chir. acad. sci. Hung. 4 no.4:  
367-373 '63.

1. Institut für Anatomie, Histologie und Embryologie (Direk-  
tor: Prof. Dr. I. Krompecher) der Medizinischen Universität  
Debrecen, Fodor-Heilanstalt für Tuberkulose (Chefarzt: Dr.  
T.Risko).

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GORGENYI, Akos, dr.; TOMORY, Istvan, dr.

A process (hemangiomatosis?) associated with extensive bone destruction as a diagnostic problem. Magy. radiol. 15 no.6: 342-345 N '63.

1. Budapesti Orvostudományi Egyetem Röntgenklinikájának és az Állami Fodor József TBC Gyógyintézet I sz. Sebészeti osztályának közleménye.

(HEMANGIOENDOTHELIOMA) (ANGIOMATOSIS)  
(OSTEOPOROSIS) (DIAGNOSIS, DIFFERENTIAL)  
(BONE NEOPLASMS)

TOMORY, Istvan, dr.; RADINSZKY, Jozsef, dr.

Therapeutic experience with aged patients with tuberculous spondylitis.  
Tuberkulozis 14 no.8:234-239 Ag '61.

1. Az Allami Fodor Jozsef Tbc Gyogyintezet, Budapest (Igazgato-foorvos:  
Sebok Lorand dr. kandidatus) I sz. Sebeszeti osztalyanak (Foorvos:  
Risko Tibor dr.) kozlemenye.

(TUBERCULOSIS SPINAL in old age)

TOMORY, LANCOS

Adatok a cyanonissal jaro congenitalis vitiumosok alvada-  
szavarahoz. /Coagulation disorders in congenital cyanotic  
heart disease/ Gyermekgyógyászat. 2:6 June 51 p. 167-71.

1. Doctors.
2. First Pediatric Clinic (Director--Prof. Dr. Pal Kiss  
Gagosi), Budapest Medical University.

CIML 20, 10, Oct. 51

TOMORY, Laszlo

Natural light for stables! Mezogazd techn 3 no.12:20-21 '63.

TOMORY, Laszlo

The Conference on Farm Buildings, 1963. Magyar ipar 12 no.8:383-384 '63.

TOMORY, Laszlo

Conference of agricultural construction works. Magyar ipar  
11 no.2:68-70 '62.

SZALAY, Gabor; TOMORY, Laszlo

Timber-skeletoned farm buildings. Mezogazd techn 3 no.5:4-5 '63.

TOMORY, M.

Corrosion resistance, especially the corrosion fatigue of nitrated-titanium steels, In German. p. 291.

PERIODICA POLYTECHNIKA. ENGINEERING. (Budapest Muszaki Egyetem.)  
Budapest, Hungary. Vol. 2, no. 4, 1958.

Monthly list of East European Accessions (EEAI) LC, vol. 8, no. 2, <sup>July</sup> 1959.

Uncl.

Distr: 4E2c

193. Nitriding (titanium steels. (In German) L. Gille-  
mot, M. Tó má ry. *Periodica Polytechnica, Engineer-  
ing*, Vol. 2, 1958, No. 1, pp. 1-17, 8 figs. 2 tabs.

The endurance limit of steels measured on polished test specimens increases in proportion with their tensile strength. With sharply notched specimens however the endurance limit of high-tensile tempered steels hardly differs from that of low-tensile mild steels. Nitriding is very suitable for increasing the endurance limit of sharply notched machine parts but the lengthy processing prevents its widespread use. Steels alloyed with titanium may be nitrided independent of their composition in a very short time, a case thickness of 0.7-0.8 mm can be obtained in 5 hours. Hardness and character of the nitrided case are a function of the Ti to C ratio. A relatively soft, deformable case may be developed on steels where the Ti to C ratio is less than 4, max. case hardness is 600 DPH, hardness gradually reduces in the direction of the core. The second group of nitriding titanium steels is constituted of steels possessing a Ti to C ratio exceeding 4. These steels can be nitrided to considerable hardness, hardness increases in proportion to the Ti to C ratio, e.g. with Ti: C = 20 a case hardness of 1400 DPH is attained. The hardness of these hard nitrided cases is uniform, decreasing abruptly in the direction of the core. The endurance limit of nitrided and then polished specimens made of soft-nitrided steels attains that of high-tensile tempered steels, in a sharply notched state their endurance limit exceeds that of notched tempered steel specimens by about 50%.

Tomory, M.

Distr: hE2c

100. Nitriding titanium steels. (In German) L. Gille-  
mot, M. Tomory. *Periodica Polytechnica, Engineer-  
ing*. Vol. 4, 1958, No. 1, pp. 1-17, 8 figs., 2 tabs.

The endurance limit of steels measured on polished test specimens increases in proportion with their tensile strength. With sharply notched specimens however the endurance limit of high-tensile tempered steels hardly differs from that of low-tensile mild steels. Nitriding is very suitable for increasing the endurance limit of sharply notched machine parts but the lengthy processing prevents its widespread use. Steels alloyed with titanium may be nitrided independent of their composition in a very short time, a case thickness of 0.7-0.8 mm can be obtained in 5 hours. Hardness and character of the nitrided case are a function of the Ti to C ratio. A relatively soft, deformable case may be developed on steels where the Ti to C ratio is less than 4, max. case hardness is 600 DPH, hardness gradually reduces in the direction of the core. The second group of nitriding titanium steels is constituted of steels possessing a Ti to C ratio exceeding 4. These steels can be nitrided to considerable hardness, hardness increases in proportion to the Ti to C ratio, e.g. with Ti:C = 20 a case hardness of 1400 DPH is attained. The hardness of these hard nitrided cases is uniform, decreasing abruptly in the direction of the core. The endurance limit of nitrided and then polished specimens made of soft-nitrided steels attains that of high-tensile tempered steels, in a sharply notched state their endurance limit exceeds that of notched tempered steel specimens by about 50%.

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TQMORY, Tamas

Teaching apartment house design and construction of apartment houses.  
Magy ep ipar 12 no.11/12:502-518 '63.

TOMORY, Tibor

7-

Measuring results of the high-speed air conditioning  
convector. *Épületgépészet* 9 no.6:223-227 '60.

1. Építéstudományi Intézet, és "Épületgépészet" szerkesztő  
bizottsági tagja.

TOMORY, Tibor

Natural ventilation of dwelling houses. Épületgépészet  
9 no.4:146-156 '60.

1. "Épületgépészet" szerkeszto bizottsagi tagja.

TOMORY, Tibor

An account of a scientific session. *Epuletgepeszo* 14 no.1:1-3  
F '65.

1. Editorial Board Member, "*Epuletgepeszo*."

TOMORY, T.

Role of the degree of dissociation of ammonia gas in the nitridation process. p.199.  
(Kohaszati Lapok. Budapest. Vol. 11, no. 5, May 1956.

SO: Monthly List of East European Accessions (EWAL) IC., Vol. 6, no. 7, July 1957 "uncl.

TOMORY, Tibor

Remark about Arpad Hegyi's article entitled "Ventilation of dwelling-house kitchens." *Épületgépészet* 12 no.3/4:77-81 Je '63.

1. "*Épületgépészet*" szerkeszto bizottsagi tagja.

Distr: 4E2c

787. Titanium-bearing steels for nitriding. L. Gillemot.  
T. Tömöry. *Usp.* Vol. 10, 1958, No. 5-6, pp. 177-184.  
A. ~~Usp.~~ ~~Usp.~~

According to the experiments the nitriding ability of steels increases to such a degree on alloying with titanium that titanium-bearing steels can be nitrided in about 8 hours to a case thickness equivalent to a layer obtained on ordinary steels only after 80 hours of treatment. Thus it becomes possible for titanium-alloyed steels to be nitrided under shop conditions. Nitrided steels can be substituted for carburized or case-hardened steels as well as for high-tensile, quenched and tempered steels subjected to alternating stresses. Carburized steels may be substituted with titanium-bearing steels having a Ti/C ratio greater than 4. In steels where the Ti/C ratio is less than 4, nitriding greatly enhances the fatigue limit. Nitriding for 4 to 7 hours is sufficient to produce a titanium-bearing steel with a fatigue limit equal to that of any high-strength, highly alloyed, quenched and tempered steel. The sharper the notches are in the given material, the higher the fatigue limit of the steel after the nitriding treatment. Nitrided titanium-bearing steels show less distortion than others. The utilization of this kind of steel for machine parts under alternating stresses is advantageous for the following reasons: (1) saving of vital alloying elements; (2) machining of the steel can be effected in an annealed or normalized state, (3) the necessity for expensive machining after nitriding has either been eliminated or greatly reduced.

IJUBEC, Marijan; TOMCS, Koper

Technique of lubrication; instructions for the preparation of  
emulsion. Nafta Jug 11 no.11:303-304 N '60.

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Nitridable titanium steels. Laszlo Gillemot and Mrs. Tibor Tomory. Exp 10, 177-84 (1958). Fourteen samples of steel, having Ti/C ratios between 1.04 and 20.6, were nitrided at 550, 600, and 650°, resp., for 1-7 hrs. in an atm. of 80% N and 20% NH<sub>3</sub>. Where Ti/C < 4, the depth and hardness of the nitride layer was the same for treatment at any given temp. and time, regardless of compn. (for example, a 0.7-mm.-deep layer of 580° Vickers hardness was obtained on 2 steels with Ti/C of 1.04 and 3.79, resp.). Where Ti/C > 4, the hardness of the nitride layer will vary between 800 and 1400, depending upon the Ti content. Steels with Ti/C < 4 were found suitable for the manuf. of parts presently made of mild steels, while steels with Ti/C > 4 are recommended for parts presently made of carburized or case-hardened steels. Hardness of the nitride layer (after 5 hrs. treatment at 600°) is equiv. to that of the carburized surface, and no appreciable distortion is evident after heat-treatment of nitrided parts. Nitriding was found to require less time than any other process yielding comparable results. Tensile strength, hardness, fatigue, nitride layer depth, and bendability test results were given for all steels examd. under various treating conditions. Nitrided Ti steels were found suitable for the manuf. of parts subject to fatigue in service and parts made from such steels require little after-treatment after shaping, if any. L. Chodera

Jy) Distr: 4E2c

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